

~~PATENT ABSTRACTS OF JAPAN~~

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(54) DENTIFRICE

(57)Abstract:

PURPOSE: To obtain wet method silica particle-containing dentifrice having aesthetic particle effect comprising enabling to recognize a stain-removing effect by the touch of the particles to an oral cavity and increasing the polishing force without giving a foreign touch to the oral cavity and damaging teeth.

CONSTITUTION: Dentifrice contains 1-30wt.% of wet method silica particles which have particle sizes passing through a 30 mesh sieve but not passing through a 200 mesh sieve, a collapse strength of 30-800gf/mm²/particle, and a polishing power expressed by a RDA value of ≤ 150 . The BET method specific surface area and pore volume of the wet silica particles are preferably 150-450m²/g and 1-2.5ml/g, respectively, on the control of the collapse strength of the particles and the adsorption amounts of medicinal effect ingredients and a perfume. The wet method silica is obtained by a deposition method or a gel method, and can be processed into the particles without using a binder, thereby easily giving the dentifrice at a low cost.

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